

WHAT IS CLAIMED IS:

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1. A portable audio listening apparatus comprising:  
means for generating an audio modulated signal  
modulated in a band in which a signal is transferred by  
using a human body;

a first electrode for outputting the generated audio  
modulated signal;

a second electrode for receiving an audio modulated  
signal transferred through the first electrode and a human  
body;

means for demodulating the audio modulated signal  
received by the second electrode; and

means for generating audible sound according to the  
demodulated signal.

2. A portable audio listening apparatus comprising:  
a portable transmission apparatus and a portable  
receiving apparatus electrically and mechanically structured  
as different units,

the portable transmission apparatus comprising:

means for generating an audio modulated signal  
modulated in a band in which a signal is transferred by  
using a human body; and

a first electrode for outputting the generated

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A1 } audio modulated signal, and

the portable receiving apparatus comprising:

a second electrode for receiving an audio modulated signal transferred through the first electrode and a human body;

means for demodulating the audio modulated signal received by the second electrode; and

means for generating audible sound according to the demodulated signal.

3. A portable audio listening apparatus according to Claim 2, wherein the transmission apparatus further comprises means for storing individual authentication data.

4. A portable audio listening apparatus according to one of Claims 2 and 3, wherein the receiving apparatus further comprises means for storing individual authentication data.

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A2 } 5. A portable audio listening apparatus according to one of Claims 1 to 3, wherein the transmission apparatus further comprises playback means for playing back an audio signal to be modulated and control means for controlling the playback means.

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6. A portable audio listening apparatus according to Claim 5, wherein the playback means accommodates a detachable recording medium and reproduces an audio signal from the recording medium.

7. A portable audio listening apparatus according to one of Claims 2, 3, and 6, wherein the transmission apparatus comprises recording means for recording an audio signal in a predetermined form, receives by an electrode an audio modulated signal transferred from a predetermined another transmission apparatus by using a human body, and demodulates the received audio modulated signal and records it in a predetermined recording form by using the recording means.

8. A portable audio listening apparatus according to Claim 7, wherein the frequency band of an audio modulated signal transmitted by the transmission apparatus is made different from that of an audio modulated signal transmitted by the predetermined another transmission apparatus.

9. A portable transmission apparatus comprising:  
means for generating an audio modulated signal modulated in a band in which a signal is transferred by using a human body; and

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an electrode for outputting the generated audio modulated signal.

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A3 } 10. A portable receiving apparatus comprising:

an electrode for receiving an audio modulated signal transferred through a human body;

means for demodulating the audio modulated signal received by the electrode; and

means for generating audible sound according to the demodulated signal.

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